

# **Appendix B**

## **Instrument Settings**

## Appendix B. Instrument Settings

Table B-1. Instrument Settings for Current Meter Deployments.

Parameter	Setting
<b>300 kHz RDI ADCP (WorkHorse)</b>	
Magnetic variation	+19.0°
Time per ensemble	1 hour
Time between ping groups	18 sec
Blank after transmit	176 cm
Profiling mode	---
Number of depth cells	varies
Pings per ensemble	200
Depth cell size	200 cm (2 m)
<b>150 kHz RDI ADCP (BroadBand)</b>	
Magnetic variation	+19.0°
Time per ensemble	1 hour
Time per ping	24 sec
Blank after transmit	400 cm
Profiling mode	4
Number of depth cells	varies
Pings per ensemble	150
Depth cell size	200 cm
<b>75 kHz RDI ADCP (Long Ranger)</b>	
Magnetic variation	+19.0°
Time per ensemble	1 hour
Time between ping groups	6 sec
Blank after transmit	704 cm
Profiling mode	---
Number of depth cells	varies
Pings per ensemble	600
Depth cell size	200 cm
<b>1500 kHz Sontek ADP – Long-term Deployments</b>	
Magnetic variation	Added in post processing
Profile interval	1 hour
Average interval	1800 sec (30 min)
Blank after transmit	40 cm
Profiling mode	Auto
Number of depth cells	varies
Burst mode	No
Depth cell size	50 cm
<b>1500 kHz Sontek ADP – Dye Deployments</b>	
Magnetic variation	Added in post processing
Profile interval	300 sec
Average interval	300 sec
Blank after transmit	40 cm

Profiling mode	Auto
Number of depth cells	varies
Burst mode	No
Depth cell size	50 cm
<b>Aanderaa RCM4</b>	
Magnetic variation	Added in post processing (+19.0°)
Averaging interval	15 min
Revolutions per count (rotor)	8
<b>InterOcean S4</b>	
Magnetic variation	Added in post processing (+19.0°)
Averaging count	1800 (15 min)
SRB count	8 (every 4 hours)
On time	15 min
Cycle time	30 min